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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicants : Thomas J. Pinnavaia, Zhaorong Zhang and Randall Hicks

Serial No. : 09/917,147 Group Art Unit: 1754

Filed : 2001 July 27

For : MESOSTRUCTURED TRANSITION ALUMINAS

Examiner : Anthony J. Kuhar

Assistant Commissioner For Patents

Washington, D. C. 20231

AMENDMENT UNDER 37 CFR 1.111

Sir:

In response to the Office Action mailed November 13, 2002, the Applicants amend and remark as follows:

In the Specification

The paragraph beginning on page 20, line 19 and ending on page 22, line 5, has been amended as follows:

-The second principal embodiment of this invention is directed at mesostructured forms of transition aluminas. The structural properties of these compositions parallel those described above for mesostructured boehmite, except that the aluminum oxide comprising the mesostructured network is an atomically ordered transition alumina. Thus, the mesostructured